Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Name of Work-"Modified EStimate For Restoration of BWWSSB Road Cutting Portion in LBS Nagara Census Block No.130/1 And 130/2 And 131/2 In Yelahanka New Town Ward No-04"

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
1	**Earth work excavation by manual means** for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work . (V-I.No 1.4,Page No-5 CSR 2023-24) & (V-III Page No.5, Item No.1.1C of CSR 2023-24)								
		Cum							
	Debris		6	3.00	2.00	0.30	10.80		
							10.80	**427.02**	**4,611.82**
	Approved Amount	**427.02**							
2	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density (V-III, P.No-26,I No-4.18)of CSR 2023-24).								
		Cum							
	~~Vinyaka Temple~~ Rd		1	438.00	1.50	0.15	98.55		
	LBS Nagara Rd.						**98.55**		
					Upto 125%		**90.00**	**3667.59**	**330083.10**
					Above 125%		**8.55**	**3667.59**	**31,357.89**
	Approved Amount	**3667.59**							
	Basic rate	**3238.00**							
	Area Weightage 10%	**323.80**							
	Total	**3561.80**							
	TP Above 2.97%	**105.79**							
	Total	**3667.59**							
3	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) **Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates** (V-1, P.No-15, I No-2.1.3 of CSR 2023-24)								
		Cum							
	Ward-04								
	LBS Nagara								
	Vinyaka Temple Rd		1	445.00	1.50	0.15	100.13		
			60	1.20	3.50	0.15	37.80		
							137.93		
					Upto 125%		**99.08**	**6783.56**	**672081.21**

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Approved Amount	**6783.56**			**Above 125%**		**38.85**	**6783.56**	**263541.31**
	Basic rate	**5989.00**							
	Area Weightage 10%	**598.90**							
	Total	**6587.90**							
	TP Above 2.97%	**195.66**							
	Total	**6783.56**							
4	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 **M30 (Grade)**, coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity andappropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work.(V-III, P.No-148,I No-16.28, CSR 2023-24).								
		Cum							
	For CC Road								
	Ward-04								
	LBS Nagara								
	Vinyaka Temple Rd		1	445.00	3.92	0.15	261.33		
							261.33	**7650.05**	**1999158.88**
	Approved Amount	**7650.05**							
5	Supplying, fitting and placing **TMT FE 550 / 550D Steel Reinforcement** including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancilary operations complete as per drawing and technical specification.All other type of structures .(V-I, I.No 2.11 h Page No 18,CSR 2023-24)								
		Ton							
							0.00	**89493.39**	**0.00**
	Approved Amount	**89493.39**							
6	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates** (V-1,P.No.16, I.No.2.4.2 of CSR 2023-24)& (Addendum I , V-1, P.No.111 of CSR 2023-24)								
		Cum							
							0.00	**7519.18**	**0.00**
	Approved Amount	**7519.18**							

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
7	Providing and fixing precast reinforced cement concrete **covering slabs of 23Cm thick** made of M25 with OPC cement,@340kgs/cum with 20mm and down size graded granite metal coarse aggregate @0.70cum and fine aggregate & 0.74 cum with superplasticizer machine,mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work.(Exclusive of GST) Approved Rate								
		Sqm							
				4	0.60	1.20	2.88		
							2.88	**5186.60**	**14,937.41**
	Approved Amount	**5186.60**							
8	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km (V-III Page No.5, Item No.1.4B of CSR 2023-24)								
		t.Km							
	From item no. 01			10.80	1.28		13.82		
							13.82	**90.61**	**1,252.59**
	Approved Amount	**90.61**							
								Total Construction Cost	**3317024.20**
								18% GST For S.R Items	**597064.36**
								Sub Total 1	**3914088.56**
								Utility Shifting,Miscellaneous and Rounding off	**2,358.44**
								GRAND TOTAL Including GST	**3916447.00**

Assistant Engineer
Ward-04
BBMP Bangalore

Asst. Executive Engineer
Yelahanka Bangalore
BBMP Bangalore

Executive Engineer
Yelahanka Division
BBMP Bangalore

Executive Engineer
Yelahanka Division
Yelahanka Zone
Bruhat Bangalore Mahanagara Pal...
BANGALORE - 560064

Technical Sanction
Accorded For Rs.3916447.00
Head of A/C. P3898
CER NO :..14..... Dt..24/05/24